



City of Cleveland
Justin M. Bibb, Mayor

Department of Finance
Division of Purchases & Supplies
601 Lakeside Avenue, Room 128
Cleveland, Ohio 44114-1080
216/664-2620 • Fax: 216/664-2177
www.cleveland-oh.gov

May 31, 2024

ADDENDUM 2

BID TITLE: File No. 61-24 LED Street Lighting Luminaires 2024

BID DUE: Wednesday, June 12, 2024 at 12 o'clock noon (Eastern Time)

Attention Bidders:

We have been requested to issue the addendum for the following:

Please ensure that a copy of this addendum is included and returned with the bid specifications furnished to you by this office, as it will have the same force and effect as if it were part of the specifications originally issued.

1. Extend the bid opening date.
2. Provide a revised SOI page.
3. Provide revised Detailed Specifications 9 through 23.

If you have any questions regarding the attached, please contact Purchases & Supplies at 216-664-2620. Thank you for your prompt attention and assistance in this matter.

Signature of Potential Bidder & Name of Company

Today's Date

Thank you,

Donia Patterson, Assistant Administrator
Purchases & Supplies

CC:

Attachments

Addendum No. 2

BID — SCHEDULE OF ITEMS

City of Cleveland
Division of Purchases and Supplies
128 City Hall
Cleveland, Ohio 44114

BID PAGE 1 OF 3
BIDDER MUST

COMPLETE AND SIGN BELOW

TITLE OF BID LED Streetlighting & Security Lighting Luminaires			NAME OF FIRM		
			STREET ADDRESS		
CODIFIED ORDINANCE NO. Section 129.26	PASSED 9/21/92	SIGNED 9/25/92	CITY	STATE	ZIP CODE
DEPARTMENT Public Utilities		DIVISION Cleveland Public Power		AUTHORIZED SIGNATURE	
CITY RECORD ADVERTISEMENT DATES May 1, 2024 & May 8, 2024			<input checked="" type="checkbox"/> STANDARD CONTRACT BID <input type="checkbox"/> REQUIREMENT CONTRACT BID		
BUYER: Division of Purchases & Supplies 216-664-2620 Purchasing@clevelandohio.gov		BID OPENING Wednesday, June 12, 2024		12:00 O'CLOCK NOON OFFICIAL TIME	

DESCRIPTION	QUANTITY	UNIT PRICE	EXTENSION
GROUP A. COBRA HEAD STYLE LED LUMINAIRES			
1. 150 W LED Equivalent (D - 43)	100 Ea.	\$ _____	\$ _____
2. 250 W LED Equivalent (D - 45)	300 Ea.	\$ _____	\$ _____
NAME OF MANUFACTURER: _____			
GROUP A TOTAL			\$ _____
GROUP B. SHOEBOX STYLE LED LUMINAIRES CLASSIC			
1. 400 W LED Equivalent Classic Deluxe B (D - 54)	30 Ea.	\$ _____	\$ _____
NAME OF MANUFACTURER: _____			
GROUP B TOTAL			\$ _____
GROUP C. OCTAGONAL STYLE LED LUMINAIRES			
1. 150 W LED Equivalent (D - 56)	20 Ea.	\$ _____	\$ _____
NAME OF MANUFACTURER: _____			
GROUP C TOTAL			\$ _____
ALL QUANTITIES ARE EXACT. THE CONTRACT IF ANY, SHALL REQUIRE THE AWARDED BIDDER TO SHIP ITEMS AND QUANTITIES AWARDED UPON RECEIPT OF ORDER.			
ALL OF THIS BOUND INFORMATION MUST BE KEPT INTACT AND, TOGETHER WITH ANY ADDENDA ISSUED, MUST BE RETURNED WITH THE BID. OTHERWISE, THE BID MAY BE CONSIDERED INFORMAL			
		DELIVERY (Days)	PAYMENT DISCOUNT % Days
FOR PURCHASING USE ONLY			

ADDENDUM NO. 2**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER****LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024****SECTION D - DETAILED TECHNICAL SPECIFICATIONS****D-43****City of Cleveland LED
Streetlight Specification**

A	B	C
Cobrahead Style Streetlight	150W Equivalent Unit 190W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	80%	
Lumens Output	5000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	115	
Minimum L90 Rating	60,000 hours	
Color CCT	4000K ± 300	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	25 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C – +40°C	
NEMA 7- Pin Twistlock Receptacle	Top mount	
Optic Pattern	Type 3	
Color	Grey	
Minimum Foot Candles	0.4	

Note: Luminaire shall be similar or equal to GE Evolve ERLC

ADDENDUM NO. 2
SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-44
City of Cleveland LED
Streetlight Specification

LED Streetlight 150W Equivalent Photometric Information

Vendor is required to furnish photometric proof for conditions listed below. Indicate compliance in each of the factors below which are needed to achieve minimum foot candles of 0.4. Mark either Yes or No.

Uniformity ratio of 3:1	Yes__	No__
Based on minimum of 25ft. streetlight mounting height	Yes__	No__
Lane width (12ft.) two lanes	Yes__	No__
Assumes approximately 1000ft. of roadway to light (straight lanes no curves)	Yes__	No__
Light poles spaced at 120ft. apart	Yes__	No__
8ft. Streetlight arms	Yes__	No__
2ft. set back	Yes__	No__
Light Loss Factor 0.80 to 1.0	Yes__	No__
One sided construction (Refer to D-27 for luminaire arrangement requirements)	Yes__	No__

ADDENDUM NO. 2**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER****LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024****SECTION D - DETAILED TECHNICAL SPECIFICATIONS****D-45****City of Cleveland LED
Streetlight Specification**

A	B	C
Cobrahead Style Streetlight	250 W Equivalent Unit 300W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	60%	
Lumens Output	13,000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	115	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	30 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Top mount	
Optic Pattern	Type II W/ Back Light	
Color	Grey/Preferred	
Minimum Foot Candles	0.6	

Note: Luminaire shall be similar or equal to GE Evolve ERL1

ADDENDUM NO. 2
SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-46
City of Cleveland LED
Streetlight Specification

LED Streetlight 250W Equivalent Photometric Information

Vendor is required to furnish photometric proof for conditions listed below. Indicate compliance in each of the factors below which are needed to achieve minimum foot candles of 0.4. Mark either Yes or No.

Uniformity ratio of 3:1	Yes__	No__
Based on minimum of 30ft. streetlight mounting height	Yes__	No__
Lane width (12ft.) three lanes	Yes__	No__
Assumes approximately 1000ft. of roadway to light (straight lanes no curves)	Yes__	No__
Light poles spaced at 140ft. apart	Yes__	No__
8ft. Streetlight arms	Yes__	No__
2ft. set back	Yes__	No__
Light Loss Factor 0.80 to 1.0	Yes__	No__
One sided construction (Refer to D-27 for luminaire arrangement requirements)	Yes__	No__

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-54

**City of Cleveland LED
Streetlight Specification**

A	B	C
Shoebox Style Streetlight Classic Deluxe B	400W Equivalent Unit 460W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	50%	
Lumens Output	31,000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	140	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting Ht.	27 FT	
Pole Tenon Mounting	3"O.D. X 3 -1/2"L	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Top mount	
Optic Pattern	Type 3	
Color	Bronze	
Minimum Foot Candles	0.9	

**Note: Luminaire shall be similar or equal to Copper Lighting
Solutions Streetworks Model: Galleon II**

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-56

City of Cleveland LED

Streetlight Specification

Octagonal Style LED Luminaire	150W Equivalent Unit 190W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	60%	
Lumens Output	5,000	
Input Voltage	120-277V	
Minimum Efficacy (Lumens/Watt)	90	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C–+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Black/Preferred	
Minimum Foot Candles	0.6	

Note: Luminaire shall be similar or equal to King Luminaire Model: K56

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-58

**City of Cleveland LED
Streetlight Specification**

A	B	C
Round LED Lite Style Luminaire	150W Equivalent Unit 190W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	65%	
Lumens Output	7,000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	105	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Grey/Preferred	
Minimum Foot Candles	0.4	

**Note: Luminaire shall be similar or equal to King Luminaire's Model:
K581**

ADDENDUM NO. 2
SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-61

**City of Cleveland LED
Streetlight Specification**

A	B	C
Icon Style LED Luminaire	175W Equivalent Unit 190W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	65%	
Lumens Output	5,700	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	95	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C—+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Dark Platinum/Preferred	
Minimum Foot Candles	0.6	

**Note: Luminaire shall be similar or equal to Cooper Lighting Solutions
Streetworks Model: Invue ICS**

ADDENDUM NO. 2**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER****LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024****SECTION D - DETAILED TECHNICAL SPECIFICATIONS****D-62****City of Cleveland LED
Streetlight Specification**

A	B	C
Icon Style LED Luminaire	400W Equivalent Unit 460W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	65%	
Lumens Output	17,000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	105	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Dark Platinum/Preferred	
Minimum Foot Candles	0.6	

**Note: Luminaire shall be similar or equal to Cooper Lighting Solutions
Streetworks Model: Invue ICM**

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-63

**City of Cleveland LED
Streetlight Specification**

A	B	C
Teardrop Style LED Luminaire	400W Equivalent Unit 460W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	55%	
Lumens Output	17,000	
Input Voltage	120-277V	
Minimum Efficacy (Lumens/Watt)	95	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Black/Preferred	
Minimum Foot Candles	0.6	

Note: : Luminaire shall be similar or equal to King Luminaire Model: K803 with 30R KPL Option

ADDENDUM NO. 2**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER****LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024****SECTION D - DETAILED TECHNICAL SPECIFICATIONS****D-64****City of Cleveland LED
Streetlight Specification**

A	B	C
Epic Style LED Luminaire	175W Equivalent Unit 190W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	75%	
Lumens Output	5,400	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	130	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Dark Green/Preferred	
Minimum Foot Candles	0.6	

**Note: Luminaire shall be similar or equal to King Luminaire
Model: K 823**

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-65

**City of Cleveland LED
Streetlight Specification**

A	B	C
Epic Style LED Luminaire	400W Equivalent Unit 460W with Ballast	Bidder's Product Specifications Must Be Listed Below
Minimum Energy Savings	75%	
Lumens Output	11,000	
Input Voltage	120-277V; 480V	
Minimum Efficacy (Lumens/Watt)	110	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Mounting	14 FT	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Optic Pattern	Type 3	
Color	Dark Green/Preferred	
Minimum Foot Candles	0.6	

**Note: Luminaire shall be similar or equal to King Luminaire
Model: K 823**

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-69

**City of Cleveland LED
Streetlight Specification**

A	B	C
LED FLOOD LIGHTS	CPP's Required Specifications	Bidder's Product Specifications Must Be Listed Below
Wattage	180	
Lumens Output	25,000	
Input Voltage	120-277V	
Minimum Efficacy (Lumens/Watt)	140	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Light Distribution	6HX6V Wide	
Vandal Proof Shield	Required	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C--40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Color	Bronze/Preferred	

Note: Luminaire shall be similar or equal to Cooper Lighting Solutions Model: UFLD –L Utility Flood

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-70

**City of Cleveland LED
Streetlight Specification**

A	B	C
LED FLOOD LIGHTS	CPP's Required Specifications	Bidder's Product Specifications Must Be Listed Below
Wattage	270	
Lumens Output	40,305	
Input Voltage	120-277V	
Minimum Efficacy (Lumens/Watt)	152	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Light Distribution	6HX6V Wide	
Vandal Proof Shield	Required	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C–+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Color	Bronze/Preferred	

Note: Luminaire shall be similar or equal to Cooper Lighting Solutions Model: UFLD –L Utility Flood

ADDENDUM NO. 2

**SPECIFICATIONS/DESCRIPTION OF PRODUCTS AND / OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF CLEVELAND
PUBLIC POWER**

LED STREETLIGHTING & SECURITY LIGHTING LUMINAIRES 2024

SECTION D - DETAILED TECHNICAL SPECIFICATIONS

D-71

**City of Cleveland LED
Streetlight Specification**

A	B	C
LED FLOOD LIGHTS	CPP's Required Specifications	Bidder's Product Specifications Must Be Listed Below
Wattage	390	
Lumens Output	58,842	
Input Voltage	120-277V	
Minimum Efficacy (Lumens/Watt)	147	
Minimum L90 Rating	60,000 hours	
Color CCT	4,000K ± 300K	
Color Rendering Index	≥ 70	
Dimming Capability	0-10V	
Light Distribution	6HX6V Wide	
Vandal Proof Shield	Required	
Heat Sink (fans will not be accepted for cooling)	Required	
Full Replacement Warranty	10 Years	
Ambient Temperature	-40°C–+40°C	
NEMA 7- Pin Twistlock Receptacle	Smart PC Compatible	
Color	Bronze/Preferred	

Note: Luminaire shall be similar or equal to Cooper Lighting Solutions Model: UFLD –L Utility Flood

< END OF SECTION D >